

The background of the slide is a close-up of the American flag, showing the blue field with white stars and the red and white stripes. The flag is draped and folded, creating a sense of depth and texture. In the lower right quadrant, a small, golden sandcastle with multiple towers and a central archway sits on the red stripes of the flag.

ILLINOIS RIVER INITIATIVES
Presentation to the
illinois river coordinating council

August 18, 2005

by

Gary loss, p.e.

***Deputy for programs & project management,
rock island district, U.S. Army corps of engineers***



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U.S. Army Corps of Engineers



The Corps' mission:

- Water Resources Development
- Environment
- Infrastructure
- Disasters
- Warfighting

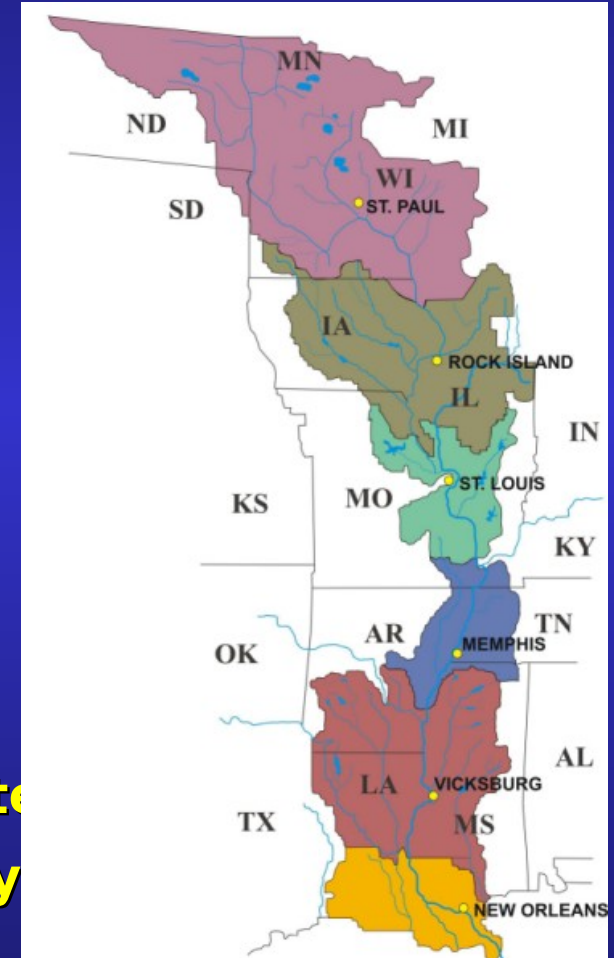


One Team: Relevant, Ready, Responsive and Reliable



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Mississippi Valley Division



- Six districts
- 5,000+ employees
- 370,000 square mile boundary, encompassing all or parts of 12 states
- 4,267 miles of commercial waterway
- 44 flood control lakes/reservoirs

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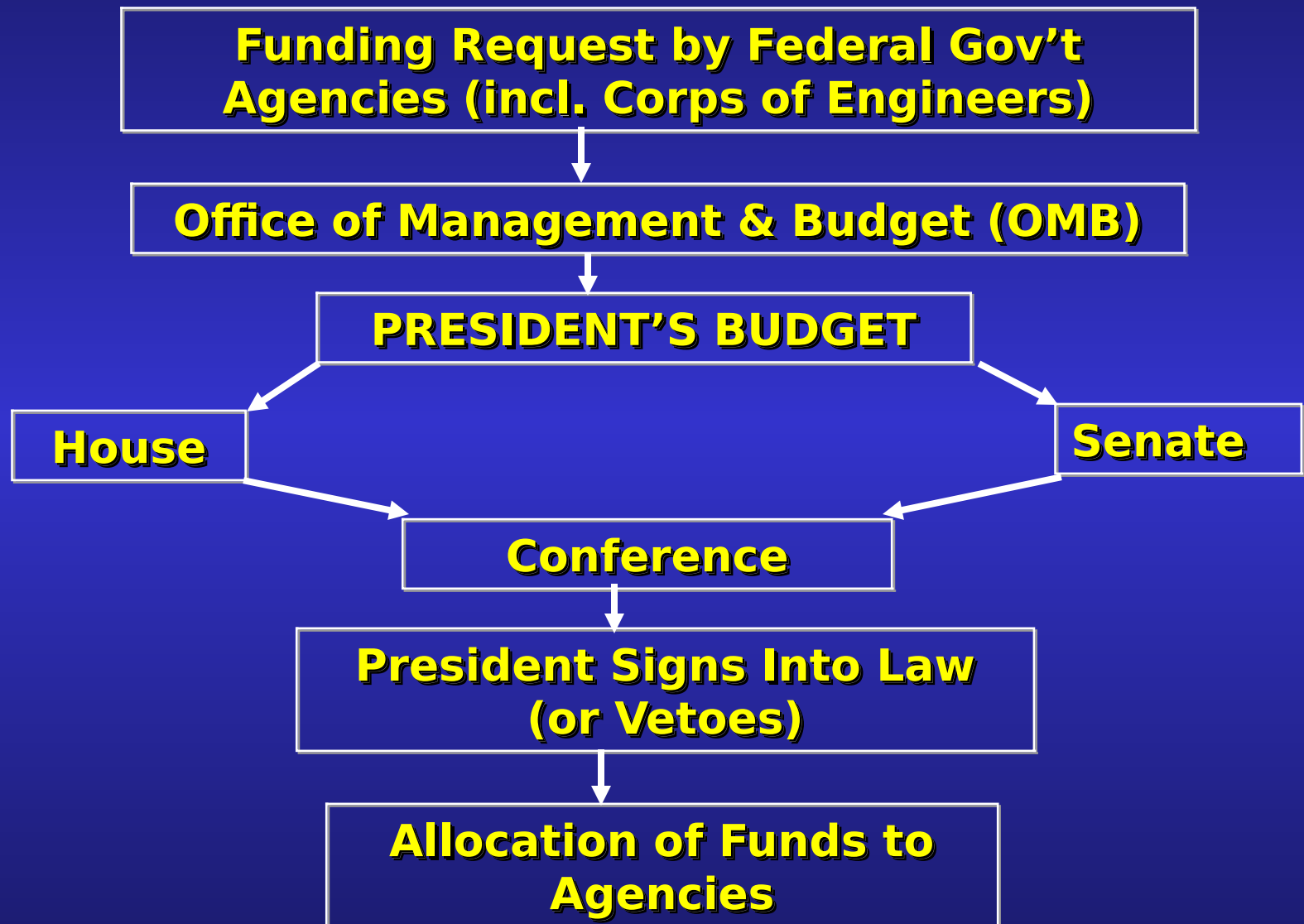
Rock Island District



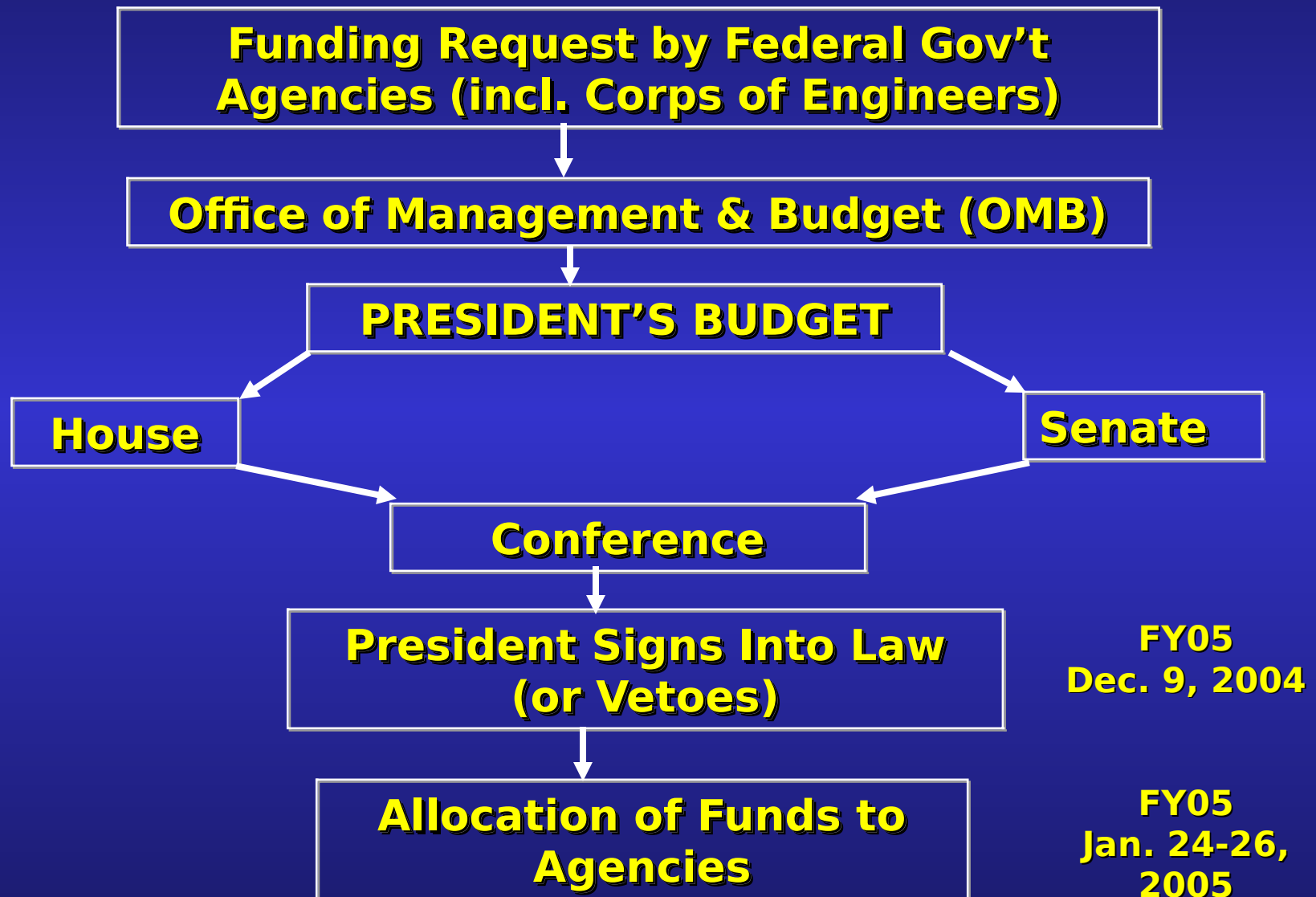
- **Primarily a civil works district**
- **78,000 square miles**
- **Portions of 5 states**
- **Operate 582 miles of 9-foot navigation channel**
- **20 lock and dam sites**
- **5 flood control reservoirs**

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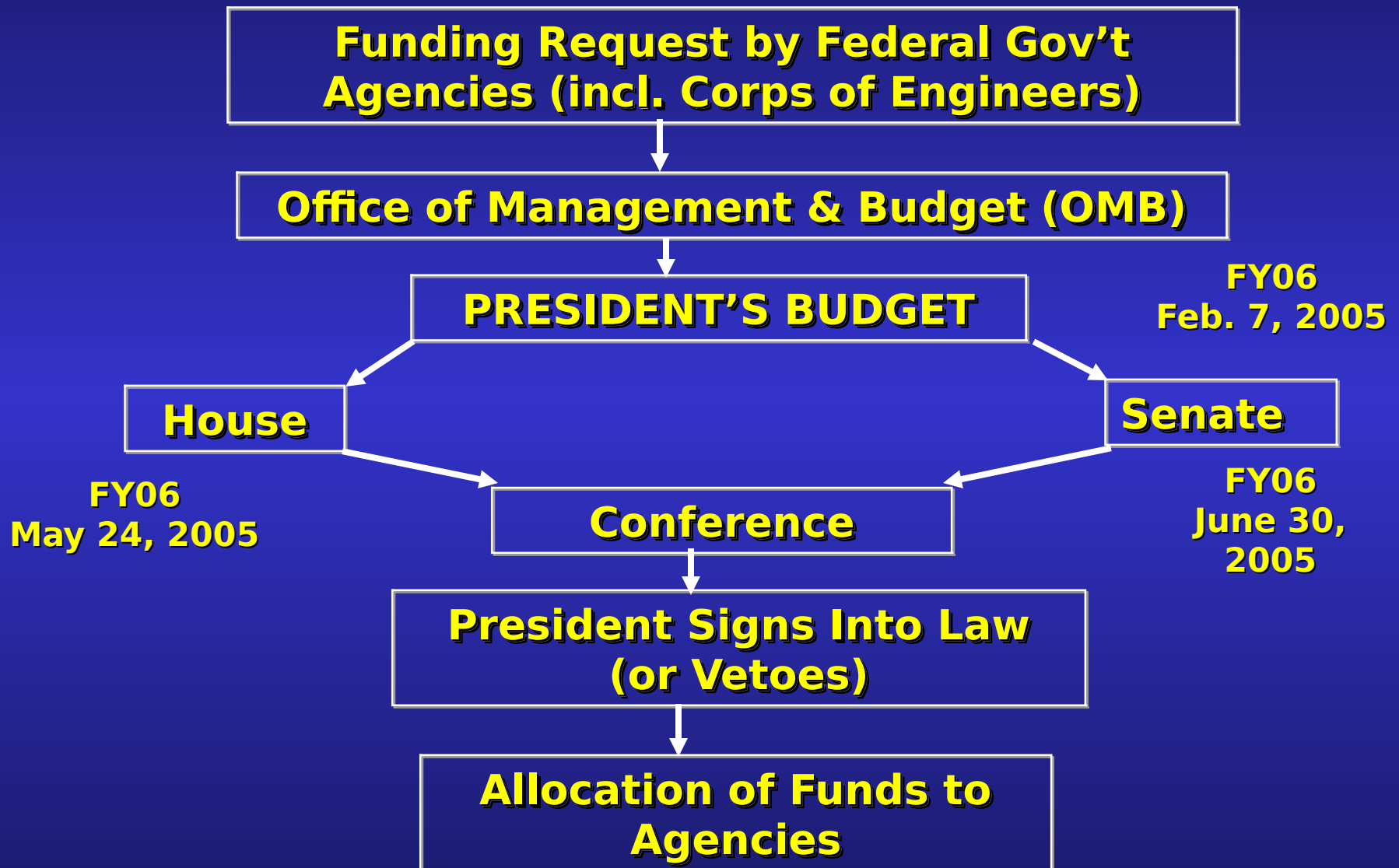
Basic Budget & Appropriations Process



Basic Budget & Appropriations Process



Basic Budget & Appropriations Process





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Status of the

Water Resources Development Act



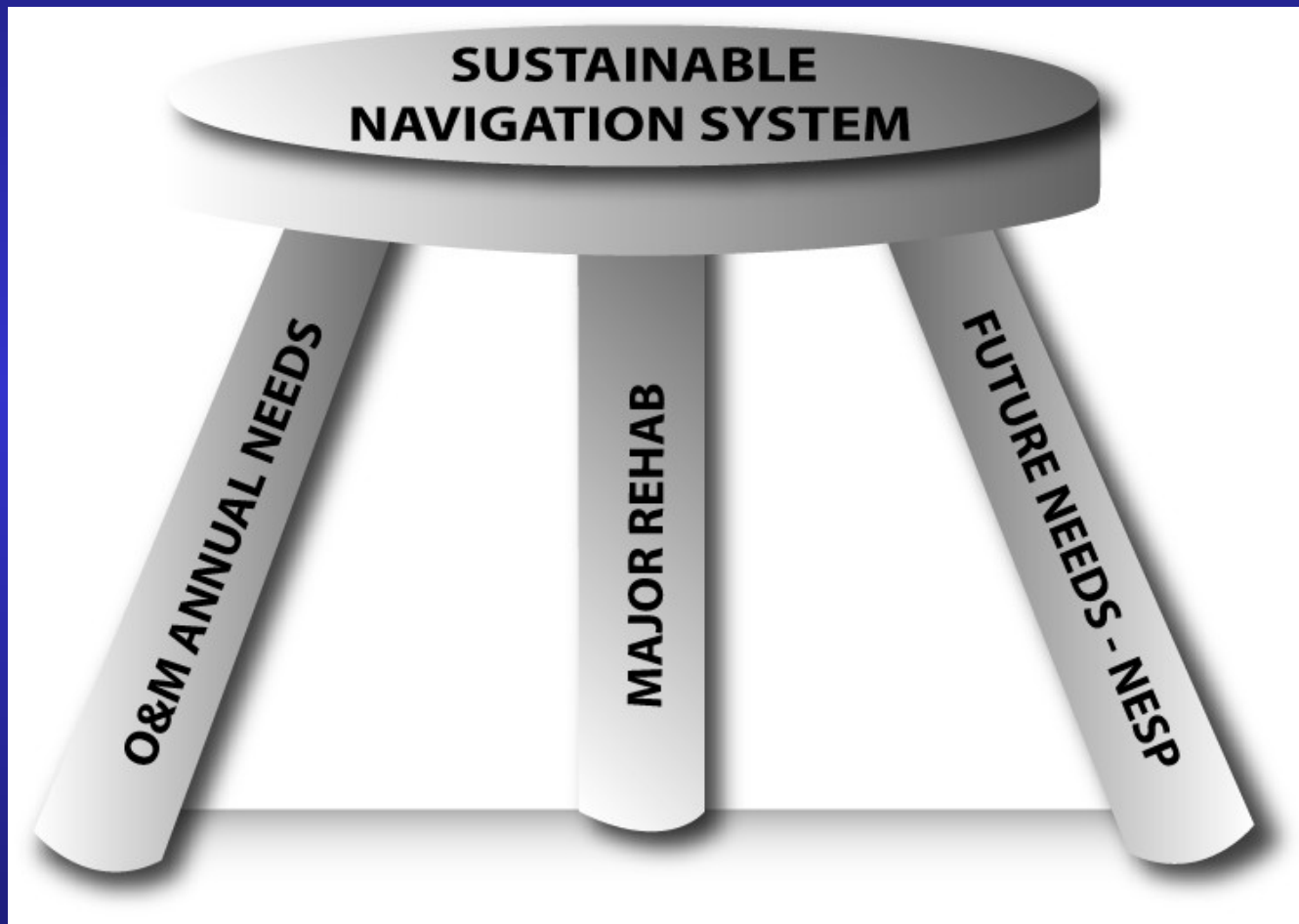
House passed on July 14

Senate Env. & P.W. Comm. passed on July 1

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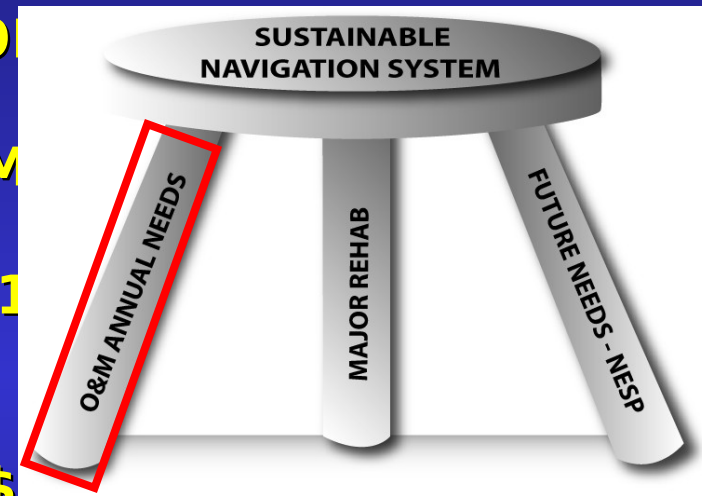
FY2006 Illinois Waterway Project President's Budget -- \$24,702K



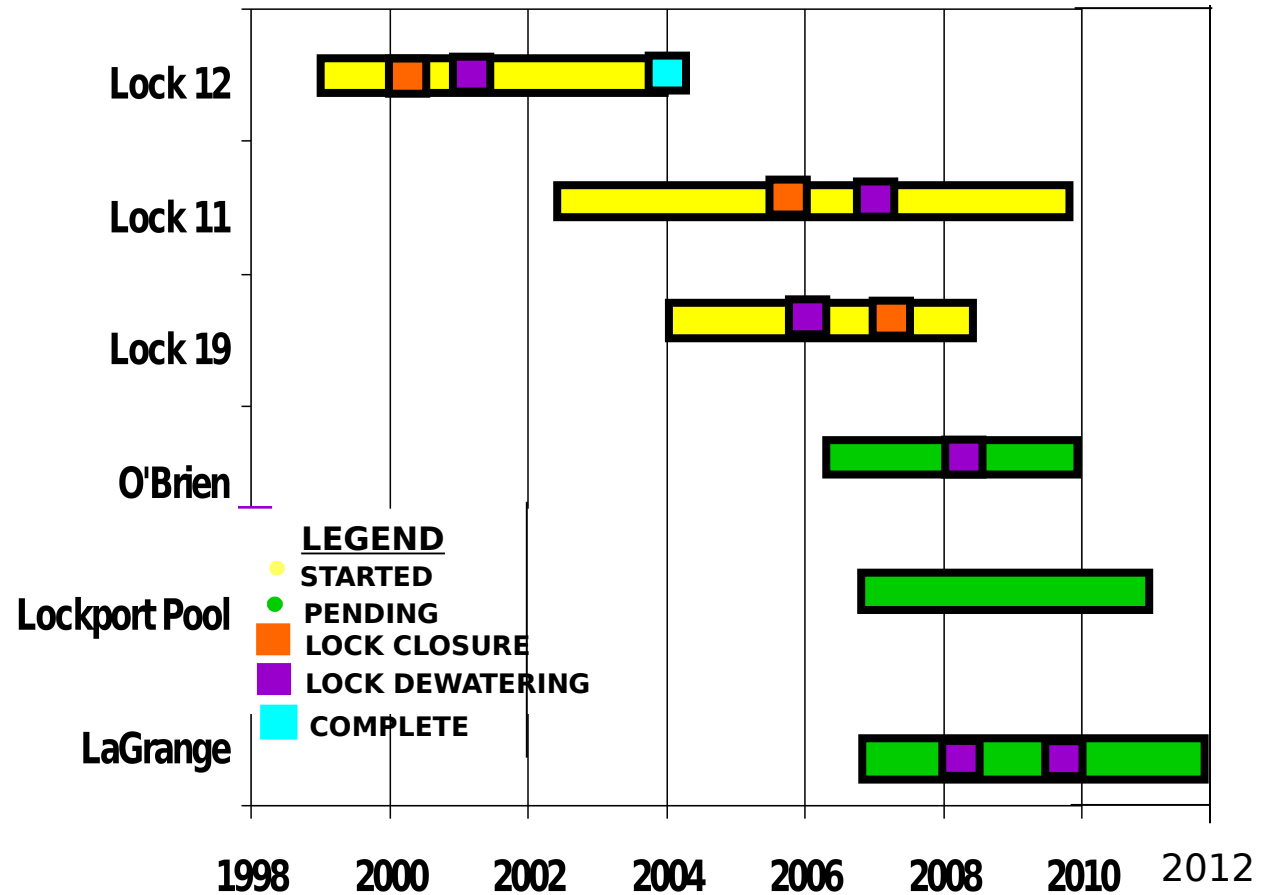
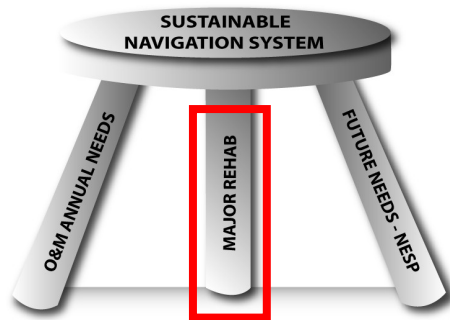
Project basic service shortfall of \$3.9M

Additional repair capability of \$10.3M

- Peoria wicket lifter -- \$800K
- Peoria lock hydraulic repairs -- \$3.1M
- DMMP plans & specs -- \$1.5M
- Dredging -- \$1M
- Lockport approach dike repairs -- \$1.1M
- Major maintenance at O'Brien & Lockport locks -- \$700K
- Lucas Berg CDF EIS -- \$100K
- Interim security measures -- \$1.5M



Current Major Rehabilitations Upper Mississippi River & Illinois Waterway



L&D 11 Rehab Cycle
Extended Due to
Funding Constraints.



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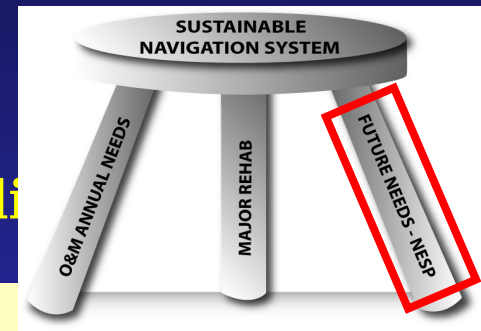
Environmental Programs on the Illinois River



- **Navigation & Ecosystem Sustainability Program (awaiting authorization)**
- **Illinois River Ecosystem Restoration**
- **Illinois River Basin Restoration**
- **Peoria Riverfront**
- **Environmental Management Program**

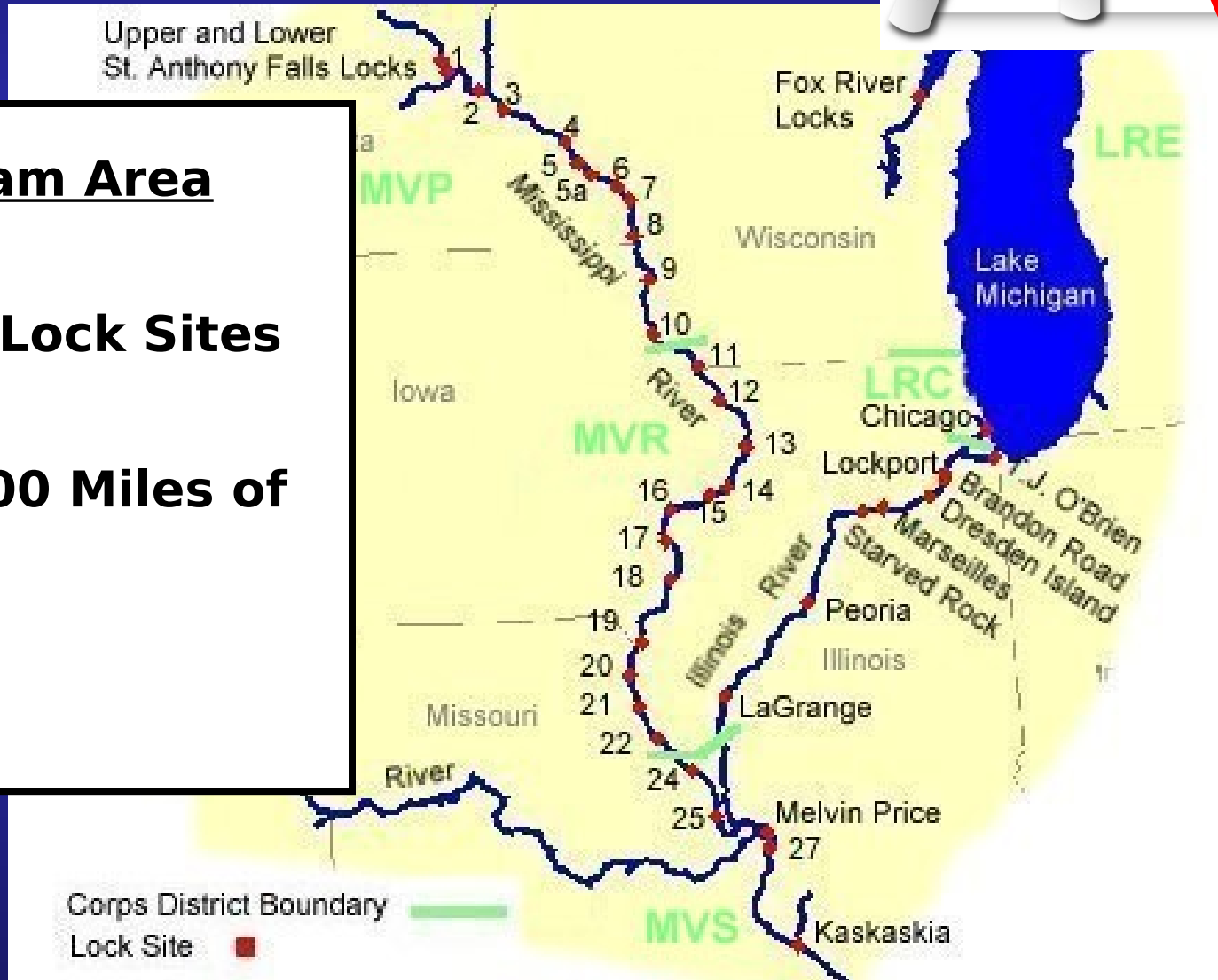
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Upper Mississippi River-Illinois Waterway System Navigation Study Now: Navigation & Ecosystem Sustainability



Program Area

- 37 Lock Sites
- 1,200 Miles of River





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Scope Of Study

Focus on authorized federal navigation projects & the ecological & floodplain resources that are affected by these projects.

Original study —————→ **Relieve congestion.**
(1993-2000)

**Restructure
d study**
(2001-2004)

————→ **Relieve congestion.**

————→ **Achieve environmental
sustainable system.**

STUDY VISION

“To seek long-term sustainability of the economic uses and ecological integrity of the Upper Mississippi River System”



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FY05 Implementation Plan

- **Work allowance \$11.3M (Congressional Add)**
- **32 new projects**
- **Programmatic projects (5) \$1.9M**
- **Navigation efficiency projects (8) \$4.8M**
- **Primary activities focused on:**
 - Decision documents (planning)**
 - Engineering and design**
 - Collection of pre-project monitoring data**
 - Site specific evaluations**
 - Public meetings**



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Recommended Navigation Efficiency Improvements

\$2.03 Billion in first 15 years (CG/IWTF)

- **Mooring facilities @ locks 12, 14, 18, 20, 22, 24 & LaGrange***
- **Switchboats @ locks 20-25***
- **Adaptive implementation of 1200' chambers at locks 20-25 (22*, 25*), LaGrange* & Peoria**
- **Mitigation for site specific & system effects**
- **Continued study & monitoring* Initiate in FY05**



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Ecosystem Restoration Implementation

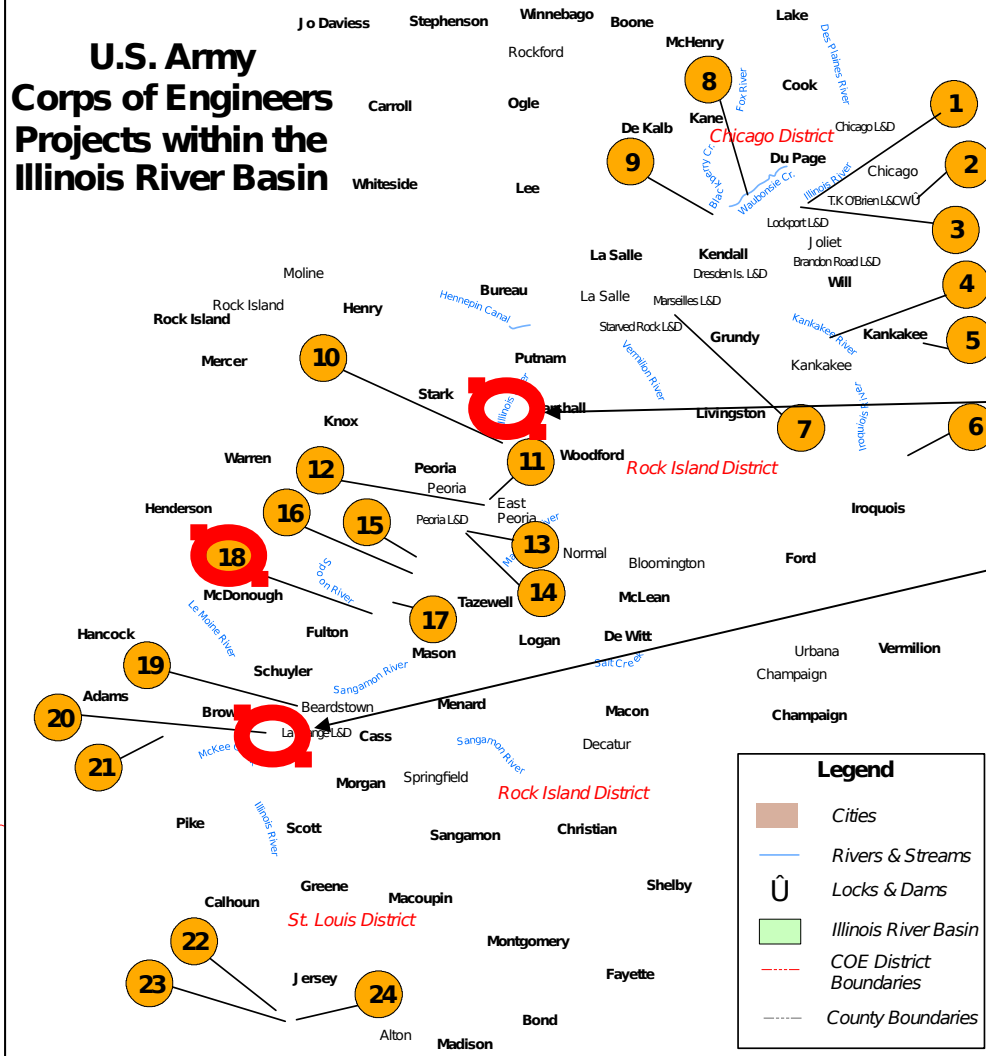


\$1.58 Billion In First 15 Years

- **Fish passage @ dams 4, 8, 22* & 26***
- **Changes in water level control @ dams 25 and 16 (25*)**
- **Adaptive implementation of 225 small projects of less than \$25 million each**
 - Island building***
 - Water level management***
 - Backwater/side channel restoration***
 - Wing dam/dike alterations***
 - Island shoreline protection***
- **35,000 acres of floodplain restoration*** **Initiate in FY05**
- **Continued study & monitoring**

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U.S. Army Corps of Engineers Projects within the Illinois River Basin



- Middle Peoria Pool
- Water-Level Management
- LaGrange Lock

- | | | |
|-------------------------------------|----------------------------------|-------------------------------|
| 1 - Aquatic Nuisance Barrier | 9 - Blackberry Cr. Sec. 519 | 17 - Chautauque Refuge HREP |
| 2 - T.J. O'Brien L&CW Rehab. | 10 - Peoria Lake HREP | 18 - Emiquon Sec. 206/NESP |
| 3 - Lockport Upper Pool Rehab. | 11 - Peoria Riverfront | 19 - Sangamon Sediment Trap |
| 4 - Kankakee R. Riffles Sec. 206 | 12 - East Peoria LFPP | 20 - Spunky Bottoms Sec. 1135 |
| 5 - Kankakee R. State Line Sec. 206 | 13 - Pekin Lake N. Unit Sec. 519 | 21 - McKee Cr. Sec. 519 |
| 6 - Iroquois R. Sec. 519 | 14 - Pekin Lake S. Unit Sec. 519 | 22 - Stump Lake HREP |
| 7 - Plum Island Easement | 15 - Banner Marsh HREP | 23 - Swan Lake HREP |
| 8 - Waubensie Cr. Sec. 519 | 16 - Rice Lake HREP | 24 - Calhoun Point HREP |



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Upper Mississippi River-Illinois Waterway System Navigation Study Now: Navigation & Ecosystem Sustainability Program

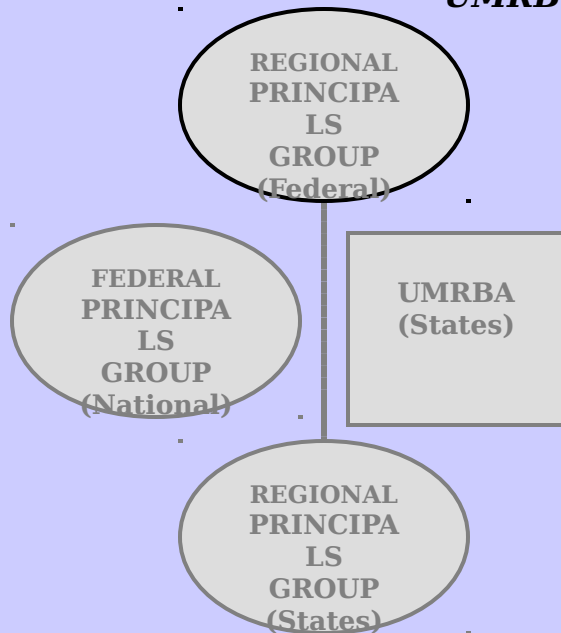
Authorization Status:

- **House & Senate WRDA language both authorize construction of navigation improvements & ecosystem restoration.**

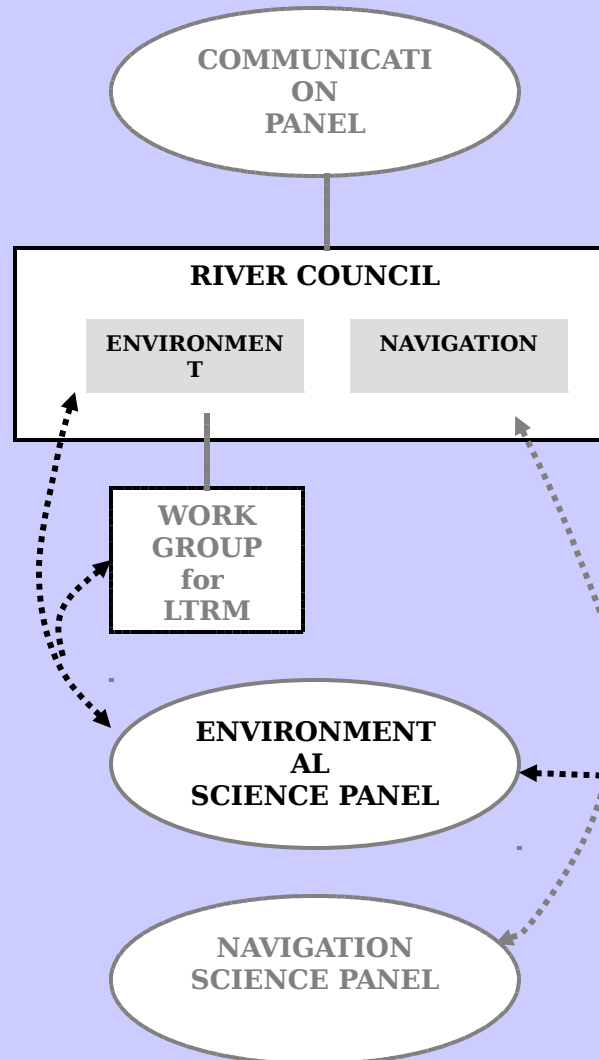
FY06 Appropriations Status:

- **Senate version has \$20M to continue work in FY06.**

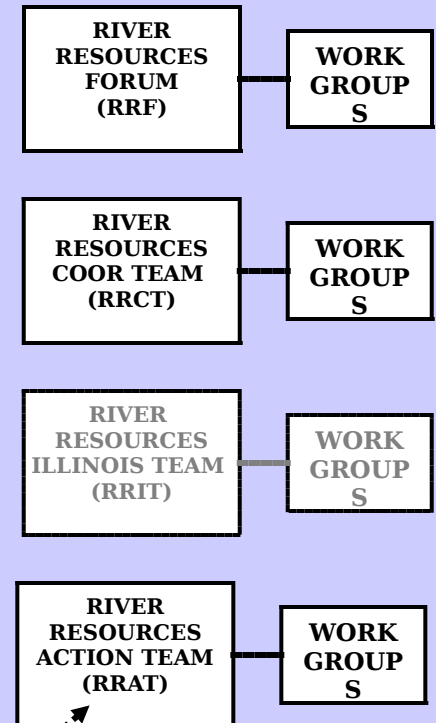
Collaboration by National Leaders Concerning the Upper Mississippi River Basin (UMRB) ...
Collaboration by Regional Leaders Concerning the UMRB...



UMRS System Planning ... Operational Level



UMRS Reach Planning ... Operational Level



Information is shared among components of institutional arrangements.

Connecting lines represent communication channels, not lines of authority.



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Illinois River Restoration Activities



Section 216

- **Original authority to study the Illinois River watershed.**
- **It does not allow us to construct anything.**

Section 519

- **It not only studies the river and its watershed, but also allows for the construction of critical restoration projects.**

Peoria Riverfront

- **This is a specific project to create three islands in the river.**
- **Although it is separate from the other two, some of its construction will be conducted under the Section 519 authority.**



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Illinois River Ecosystem Restoration, AKA 216
+
Illinois River Basin Restoration, AKA 519 **=**
One Comprehensive Plan that merges both



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Illinois River Basin Rest. Recommendations

- **Time extension & funding authority increase not required**
- **Federal per project limit be increased from \$5M to \$20M**
- **Technologies & innovative approaches component authorized**
- **Coop agreements between Corps of Engineers & state, U of I , and units of local government**
- **Cooperative agreements with NRCS**
- **NGOs added as potential sponsors**
- **Report to Congress every 6 years**



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Illinois River Basin Restoration, Section 519



Authorization - WRDA 2005:

House

- **Extends Authorization thru 2010**
- **In-Kind limited to “not more than 5 years before the date of initiation of the project . . .”**
- **Allows nonprofit entities to serve as sponsors and calls for development of a monitoring program that incorporates State of Illinois data.**

Senate - No Mention of Illinois River Basin

Neither include text on Cooperative Agreements with the State of Illinois or Increase in the Per Project Federal limit from \$5 million to \$20 million.



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Illinois River Basin Restoration, Section 519



FY06 Energy & Water Development Appropriations Markups:

- **General Investigations: Complete Comp. Plan & feasibility efforts on critical restoration projects**

House \$1,160K

Senate \$1,160K

- **Construction, General: Funding for design & construction of Peoria Lake-Upper Island, Pekin Lake Upper & Lower Units), & Waubonsie**

House \$0

Senate \$0



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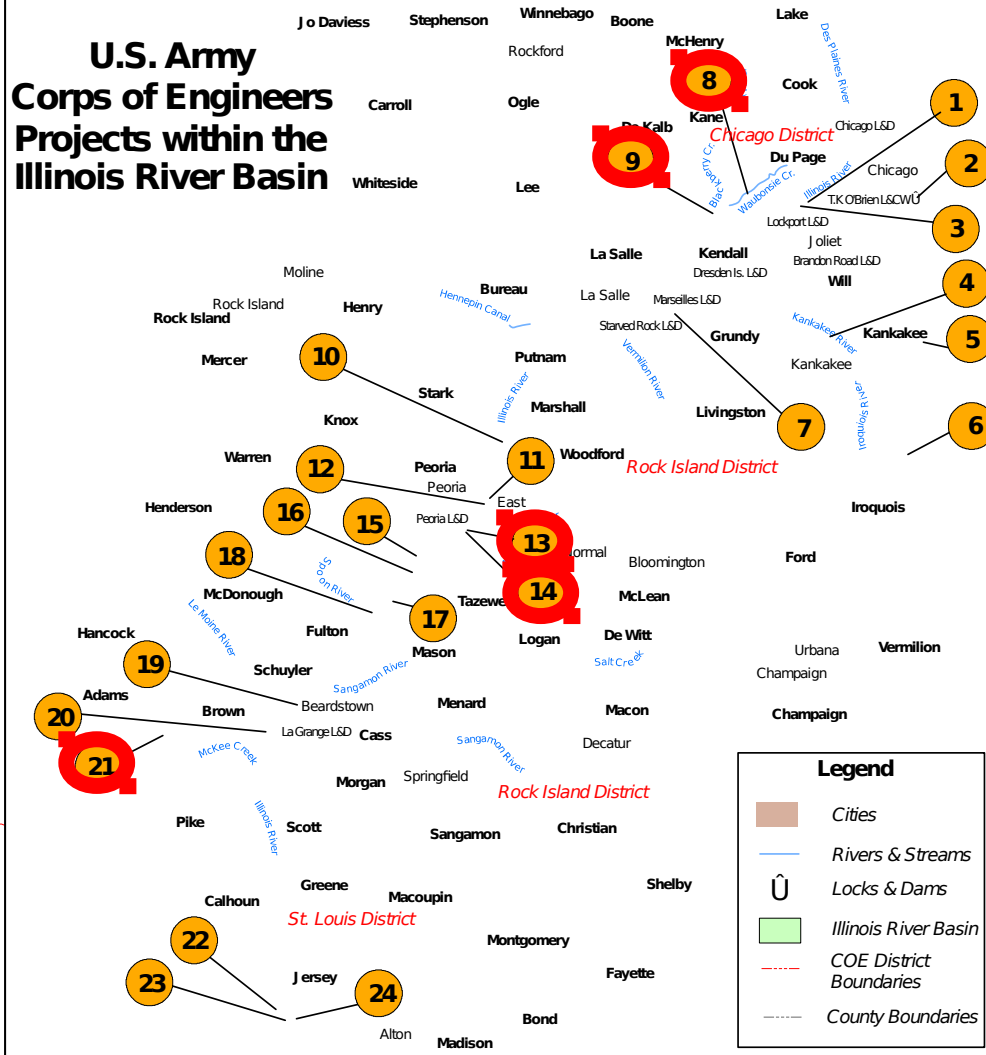


Illinois River Basin Rest Tiered Implementation

- **2011 - \$155 million program (\$100 million Fed)**
 - **Projects \$122 M**
 - ◆ Small Watersheds - 5 watersheds
 - ◆ Major Tribs - 1 reach
 - ◆ Mainstem - 3 backwaters, 2 SC/Islands, 1 floodplain
 - **Technologies and Innovative Approaches \$30 M**
 - **Management \$3M**
- **2015 - \$385 million program (\$250 million Fed)**
 - **Projects \$320 M**
 - ◆ Small Watersheds - 10 watersheds
 - ◆ Major Tribs - 3 reach
 - ◆ Main Stem - 4 backwaters, 4 SC/Islands, 2 floodplain
 - **Technologies and Innovative Approaches \$58 M**
 - **Management \$7 M**
- **2055 - \$8 billion total - ALL AGENCIES/PROGRAMS**
 - **Projects \$7.2 B**
 - ◆ Small Watersheds - 150 watersheds
 - ◆ Major Tribs - 88 reach
 - ◆ Main Stem - 60 backwaters, 35 SC/Islands, 150 floodplain
 - **Technologies and Innovative Approaches \$700 M**
 - **Management \$55 M**

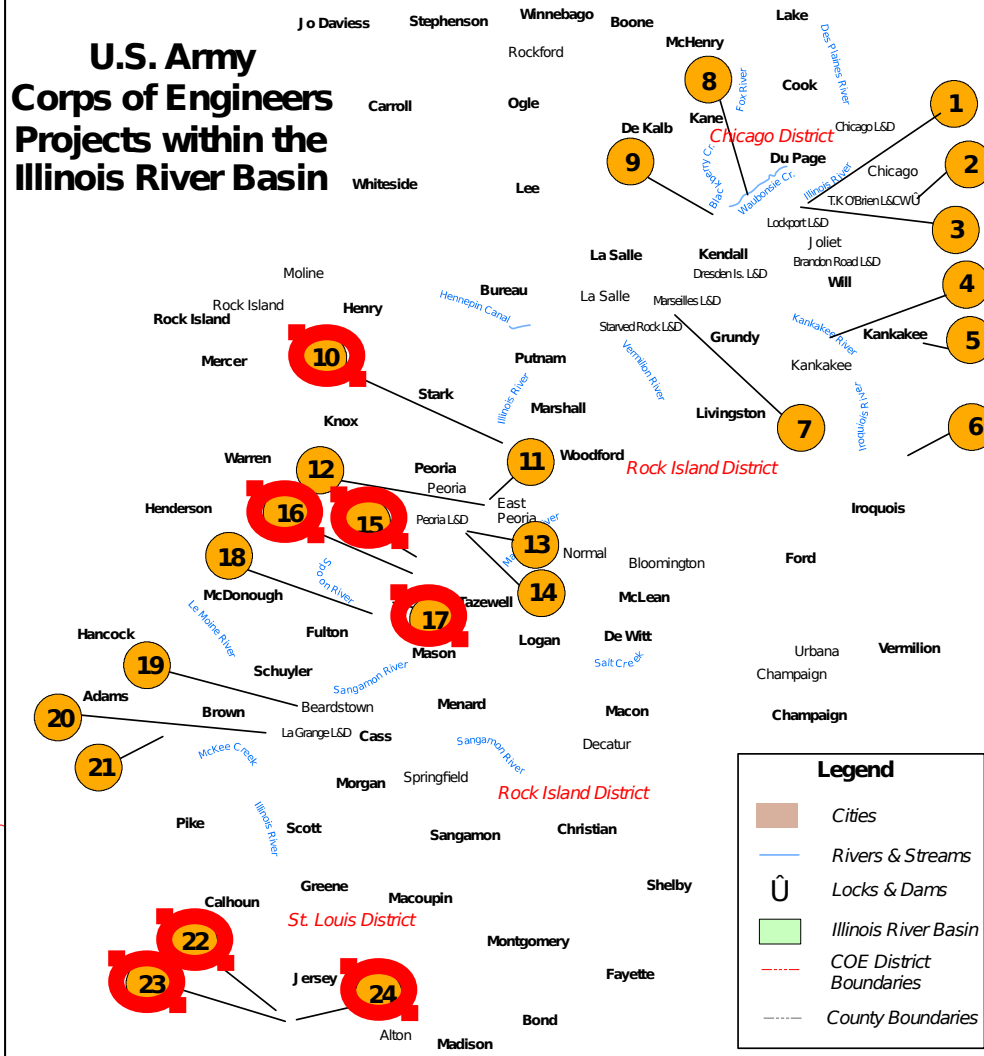
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U.S. Army Corps of Engineers Projects within the Illinois River Basin



- | | | |
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U.S. Army Corps of Engineers Projects within the Illinois River Basin



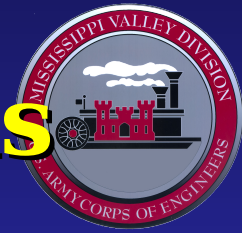
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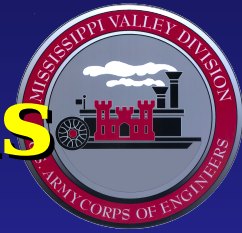


Peoria Riverfront -- Islands

- **Authority: Upper island to be constructed under Section 519 authority. For the lower islands, separate authorization is needed since costs exceed \$5M.**



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Peoria Riverfront -- Islands

Authorization - WRDA 2005:

- Both House and Senate versions address all authorization needs for construction of islands at a cost of \$16M.

Appropriation

- Senate language provides funds to continue (\$250K GI).



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State of IL Role as Potential Sponsor

- **EMP**
 - **HREP: Cost share projects not on federal lands.**
 - **LTRM: State employees collect data at testing stations for USGS.**
- **Section 519: 35% cost share of critical restoration projects.**
- **Navigation System**
 - **O&M: 100% federal**
 - **NESP Navigation Improvements*: 50/50 federal funding with Trust Fund**
 - **NESP Ecosystem Restoration*: 100% federal cost on federal lands or below OHW mark. 35% on other work.**
- **Peoria Riverfront (Islands): 35% cost share**
- **Section 206: 35% cost share**
- **Section 1135: 25% cost share**

** Proposed*

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Rock Island District Website: www.mvr.usace.army.mil

